#1 0590 06/14 OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/748,127

DATE: 06/21/2001
TIME: 16:30:31

Input Set : A:\Seqlist.txt
Output Set: N:\CRF3\06212001\I748127.raw

ENTERED

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     6 <120> TITLE OF INVENTION: ISOLATED HUMAN DRUG-METABOLIZING
     7       PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN
     8       DRUG-METABOLIZING PROTEINS,
     9       AND USES THEREOF
    12 <130> FILE REFERENCE: CL000685
    14 <140> CURRENT APPLICATION NUMBER: 09/748,127
C--> 15 <141> CURRENT FILING DATE: 2001-06-11
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    29 cggcggcggt ggtccgggag aaacccggcg gcggggagat aagcctgccc aggaggcagg 180
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    32 gagatggagg cgaccggcac ctgggcgctg ctgctggcgc tggcgctgct cctgctgctg 360
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    35 ctgagtaaga agtacggacc ggtgttcacc atctacctgg gaccctggcg gcctgtggtg 540
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    37 ggccggggaa ccgtagcgat gctggaaggg acttttgatg gccatggggt tttcttctcc 660
    38 aacggggagc ggtggaggca gctgaggaag tttaccatgc ttgctctgcg ggacctgggc 720
    39 atggggaagc gagaaggcga ggagctgatc caggcggagg cccggtgtct ggtggagaca 780
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    42 gccgtggtcc gggcagctgg tggtaccctg ctgggagtca gctcccaggg gggtcagacc 960
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    57 accacgcaga ccagatgaag gaaggcaact tggaagtggt gggtgcccag gacggtgcct 1860
    58 ccagcctcaa cagtgggcat ggacagggtt aatgtctcca gagtgtacac tgcaggcagc 1920
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61 actgctgggt tagctttcca cagacataaa tatagtccat ctgcaatcac aagcacatag 2100
62 ccaggtaacc caccaactcc cctggatctg cagcccacac gtgggagtct ggctgtcacc 2160
63 ttcacaagcc acagaaacgg ccacacatgt tcacagctca cacgccctct ccattcatcg 2220
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87             20                  25                  30
88 Pro Pro Gly Pro Thr Pro Leu Pro Leu Leu Gly Asn Leu Leu Gln Leu
89         35                  40                  45
90 Arg Pro Gly Ala Leu Tyr Ser Gly Leu Met Arg Leu Ser Lys Lys Tyr
91     50                  55                  60
92 Gly Pro Val Phe Thr Ile Tyr Leu Gly Pro Trp Arg Pro Val Val Val
93 65                  70                  75                  80
94 Leu Val Gly Gln Glu Ala Val Arg Glu Ala Leu Gly Gly Gln Ala Glu
95                 85                  90                  95
96 Glu Phe Ser Gly Arg Gly Thr Val Ala Met Leu Glu Gly Thr Phe Asp
97             100                 105                 110
98 Gly His Gly Val Phe Phe Ser Asn Gly Glu Arg Trp Arg Gln Leu Arg
99         115                 120                 125
100 Lys Phe Thr Met Leu Ala Leu Arg Asp Leu Gly Met Gly Lys Arg Glu
101     130                 135                 140
102 Gly Glu Glu Leu Ile Gln Ala Glu Ala Arg Cys Leu Val Glu Thr Phe
103 145                 150                 155                 160
104 Gln Gly Thr Glu Gly Arg Pro Phe Asp Pro Ser Leu Leu Leu Ala Gln
105                 165                 170                 175
106 Ala Thr Ser Asn Val Val Cys Ser Leu Leu Phe Gly Leu Arg Phe Ser
107             180                 185                 190
108 Tyr Glu Asp Lys Glu Phe Gln Ala Val Val Arg Ala Ala Gly Gly Thr
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112 Trp Phe Leu Arg Pro Leu Pro Gly Pro His Lys Gln Leu Leu His His
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114 Val Ser Thr Leu Ala Ala Phe Thr Val Arg Gln Val Gln Gln His Gln
115                 245                 250                 255
116 Gly Asn Leu Asp Ala Ser Gly Pro Ala Arg Asp Leu Val Asp Ala Phe
117             260                 265                 270
118 Leu Leu Lys Met Ala Gln Glu Glu Gln Asn Pro Gly Thr Glu Phe Thr
119         275                 280                 285
120 Asn Lys Asn Met Leu Met Thr Val Ile Tyr Leu Leu Phe Ala Gly Thr
121     290                 295                 300
122 Met Thr Val Ser Thr Thr Val Gly Tyr Thr Leu Leu Leu Leu Met Lys
123 305                 310                 315                 320
124 Tyr Pro His Val Gln Lys Trp Val Arg Glu Glu Leu Asn Arg Glu Leu
125                 325                 330                 335
126 Gly Ala Gly Gln Ala Pro Ser Leu Gly Asp Arg Thr Arg Leu Pro Tyr
127             340                 345                 350
128 Thr Asp Ala Val Leu His Glu Ala Gln Arg Leu Leu Ala Leu Val Pro
129         355                 360                 365
130 Met Gly Ile Pro Arg Thr Leu Met Arg Thr Thr Arg Phe Arg Gly Tyr
131     370                 375                 380
132 Thr Leu Pro Gln Gly Thr Glu Val Phe Pro Leu Leu Gly Ser Ile Leu
133 385                 390                 395                 400
134 His Asp Pro Asn Ile Phe Lys His Pro Glu Glu Phe Asn Pro Asp Arg
135                 405                 410                 415
136 Phe Leu Asp Ala Asp Gly Arg Phe Arg Lys His Glu Ala Phe Leu Pro
137             420                 425                 430
138 Phe Ser Leu Gly Lys Arg Val Cys Leu Gly Glu Gly Leu Ala Lys Ala
139         435                 440                 445
140 Glu Leu Phe Leu Phe Phe Thr Thr Ile Leu Gln Ala Phe Ser Leu Glu
141     450                 455                 460
142 Ser Pro Cys Pro Pro Asp Thr Leu Ser Leu Lys Pro Thr Val Ser Gly
143 465                 470                 475                 480
144 Leu Phe Asn Ile Pro Pro Ala Phe Gln Leu Gln Val Arg Pro Thr Asp
145                 485                 490                 495
146 Leu His Ser Thr Thr Gln Thr Arg
147             500

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152 <212> TYPE: DNA
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L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:161 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:162 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:163 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:164 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:165 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
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L:167 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
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L:176 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:177 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:178 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:179 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:180 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:181 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:182 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:183 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:184 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:185 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:186 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:187 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:188 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:189 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:190 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:191 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:192 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:193 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:300 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:301 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:302 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:303 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:304 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:305 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:306 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:307 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:308 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:309 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:310 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:311 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:312 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:313 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

VERIFICATION SUMMARY DATE: 06/21/2001
PATENT APPLICATION: **US/09/748,127** TIME: 16:30:32

Input Set : **A:\Seqlist.txt**
Output Set: **N:\CRF3\06212001\I748127.raw**

L:314 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:315 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:316 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3